

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 8

PATENT NO. : 6,974,682
APPLICATION NO. : 08/917,710
ISSUE DATE : December 13, 2005
INVENTOR(S) : Bednarik et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On The Cover:

Under the heading, Abstract, delete the entire paragraph and insert the following paragraph.

--The present invention relates to a novel soluble IL-1 receptor accessory molecule (IL-1R AcM) protein which is a member of the Ig superfamily. In particular, isolated nucleic acid molecules are provided encoding the human IL-1R AcM protein. IL-1R AcM polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. Screening methods are further provided for identifying agonists and antagonists of IL-1 signal transduction. The invention further relates to methods for treating physiologic and pathologic disease conditions with IL-1R AcM antagonists.--;

Background Of The Invention

Col. 1, line 40, delete "IL-1 γ " and insert --IL-1 α --;

Col. 1, line 41, delete "IL-1R" and insert --IL-1ra--;

Col. 1, line 54, delete "the" and insert --three--;

Col. 1, line 65, delete "NF-kB" and insert --NF- κ B--;

Col. 2, line 32, delete "are";

Col. 2, line 34, delete "three" and insert -- there--;

Col. 2, line 50, delete "mulL-R" and insert --mulL-1R--;

Col. 2, line 54, delete "mu1IL-1R" and insert --mulL-1R-- (both occurrences);

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Col. 2, line 59, delete "mullL-1R" and insert --mull-1R--;

Col. 3, line 35, delete "Type I IL-1R The" and insert --Type I IL-1R. The--;

Col. 3, line 36, delete "mull-1RAcP" and insert -- mull-1R AcP--;

Summary Of The Invention

Col. 3, line 43, delete "FIG. 1" and insert --FIG. 1A--;

Col. 3, line 47, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 3, line 53, delete "FIG. 1" and insert --FIGS. 1A-B--;

Brief Description of the Figures

Col. 4, line 25, "FIG. 1" and insert --FIGS. 1A-B--;

Col. 4, line 30, delete "FIG. 1" and insert --FIG. 1A--;

Col. 4, lines 43-44, delete "In the "Antigenic Index—Jameson-Wolf" graph (boxed graph), the" and insert --The--;

Col. 4, line 46, delete "aicds" and insert --acids--;

Col. 4, lines 46-47, delete "antigenic index" and insert --"Antigenic Index – Jameson-Wolf"--;

Under Detailed Description

Col. 4, lines 50-63, delete the entire paragraph and insert the following paragraph.

--The present invention provides isolated nucleic acid molecules comprising a polynucleotide encoding soluble IL-1R AcM polypeptide, having the amino acid sequence shown in FIG. 1A [SEQ ID NO:2], which was determined by sequencing a cloned cDNA. The soluble IL-1R AcM protein of the present invention shares sequence homology with mouse interleukin 1 receptor accessory protein (FIG. 2) [SEQ ID NO:3]. The nucleotide sequence shown in FIGS. 1A-B [SEQ ID NO:1] was obtained by sequencing the HMEEJ22 clone, which was deposited on Jul. 25, 1996 at the American Type Culture Collection, Patent Depository, 10801 University Boulevard, Manassas, VA 20110-2209, and given accession number 97666. The deposited clone is inserted in the pBluescript SK(-) plasmid (Stratagene, La Jolla, Calif.).--;

Col. 5, line 27, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 5, line 32, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 5, line 35, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 5, line 38, delete "FIG. 1" and insert --FIGS. 1A-B--;

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Col. 5, line 43, delete "FIG. 1" and insert --FIG. 1A--;

Col. 5, line 45, delete "FIG. 1" and insert --FIG. 1A--;

Col. 5, line 46, delete "FIG. 2A)" and insert --(FIG. 2A)--;

Col. 5, line 48, delete "FIG. 1" and insert --FIG. 1A--;

Col. 5, line 64, delete "species on" and insert --species of--;

Col. 6, line 31, delete "n("PSORr)" and insert --("PSORT")--;

Col. 6, line 41, delete "of von Heinje. von Heinje, swra" and insert --of von Heinje. von Heinje, *supra*--;

Col. 6, line 43, delete "to about —1 in" and insert --to about -1 in--;

Col. 7, line 4, delete "in vivo or in vitro" and insert --*in vivo* or *in vitro*--;

Col. 7, line 12, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 7, line 14, delete "FIG. 1" and insert --FIG. 1A--;

Col. 7, line 18, delete "L-IR" and insert --IL-1R--;

Col. 7, line 37, after "(SEQ ID NO:22)." Insert a new paragraph beginning with the sentence -
-In another aspect, the invention--;

Col. 7, line 46, delete "will encode" and insert --which encodes--;

Col. 7, line 50, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 7, line 55, delete "in situ" and insert --*in situ*--;

Col. 8, line 9, delete "in tended" and insert --intended--;

Col. 8, line 30, delete "3070" and insert --30-70--;

Col. 8, line 40, delete "11R AcM" and insert --IL-1R AcM--;

Col. 8, line 42, delete "resides" and insert --residues--;

Col. 8, line 50, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 8, line 62, delete "FIG. 1" and insert --FIG. 1B--;

Col. 8, line 63, delete "resides" and insert --residues--;

Col. 9, line 6, delete "FIG. 1" and insert --FIG. 1A--;

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Col. 10, line 7, delete "natal" and insert --natural--;

Col. 10, line 27, delete "FIG. 1" and insert --FIG. 1A--;

Col. 11, line 4, delete "FIG 1 or to the nucleotides" and insert --FIGS. 1A-B or to the nucleotide--;

Col. 11, line 9, delete "53711" and insert --53711)--;

Col. 11, lines 10-11, delete "Advances in Applied Mathematics" and insert --*Advances in Applied Mathematics*--;

Col. 11, line 11, delete "482489" and insert --482-489--;

Col. 11, line 17, delete "fill" and insert --full--;

Col. 11, line 23, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 11, line 44, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 11, line 56, delete "an";

Col. 11, line 63, delete "AcMare" and insert --AcM are--;

Col. 11, line 66, delete "CHO-dhfr" and insert --CHO-dhfr--;

Col. 11, line 67, delete "bovine serum 25 mM HEPES, pH 7.0, 0.1 mL" and insert --bovine serum, 25 mM HEPES, pH 7.0, 0.1 mM--;

Col. 12, line 1, delete "1xHT" and insert --1X HT--;

Col. 12, line 2, delete "Bochringer" and insert --Boehringer--;

Col. 12, line 3, delete "1 X" and insert --1X--;

Col. 12, line 14, delete "'251-labeled" and insert --¹²⁵I-labeled--;

Col. 12, line 19, delete "cells can performed" and insert --cells can be performed--;

Col. 12, line 26, delete "IL-1 β 0 to a CHO—IR/AcM" and insert --IL-1 β to a CHO-IR/AcM--;

Col. 12, line 30, delete "IL-1 will bind IL-1 P" and insert --IL-1R will bind IL-1 β --;

Col. 12, line 44, delete "IL-1>" and insert --IL-1 β --;

Col. 13, line 4, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 13, line 59, delete "plaids" and insert --plasmids--;

Col. 14, line 19, delete "*Spodoptera*" and insert --*Spodoptera*--;

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Col. 15, line 24, delete "pat" and insert --part--;

Col. 15, line 60-61, delete "FIG. 1" and insert --FIG. 1A--;

Col. 15, line 65, delete "least to" and insert --least two--;

Col. 16, line 25, delete "IL1R" and insert -- IL-1R--;

Col. 17, line 55, delete "Le., the mature" and insert --i.e., the mature--;

Col. 17, line 62, delete "97/o" and insert 97%--;

Col. 18, line 20, delete "96%", second occurrence;

Col. 18, line 20, delete "990%" and insert --99%--;

Col. 18, line 22, delete "FIG. 1" and insert --FIG. 1A--;

Col. 20, line 16, delete "Type IL-1R" and insert --Type I IL-1R--;

Col. 20, line 21, delete "with the IL-R" and insert --with the IL-1R--;

Col. 20, line 26, delete "to";

Col. 20, line 27, delete "to";

Col. 20, line 43, delete "complex" and insert --complex--;

Col. 20, line 60, delete "IL-1 P." and insert --IL-1 β --;

Col. 20, line 65, delete "IL" and insert --IL-1--;

Col. 20, line 67, delete "IL-1R" and insert --IL-1ra--;

Col. 21, line 15, delete "immuno precipitating" and insert --immunoprecipitating--;

Col. 21, line 19, delete "IL-1 P" and insert --IL-1 β --;

Col. 22, line 3, delete "ences" and insert --enhances--;

Col. 22, line 23, delete "act" and insert --fact--;

Col. 22, line 29, delete "to animal" and insert --to an animal--;

Col. 23, line 1, delete "101 μ l" and insert --10 μ g/l--;

Col. 23, line 44, delete "humnsized" and insert --humanized--;

Col. 23, line 66, delete "131I" and insert --¹³¹I--;

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Col. 32, line 67, delete "47Sc" and insert --⁴⁷Sc--;

Col. 24, line 13, delete "55Mn" and insert --⁵⁵Mn--;

Col. 25, line 41, delete "regulation liver" and insert --regulation of liver--;

Col. 25, line 48, delete "hat" and insert --that--;

Col. 26, line 43, delete "IL 1" and insert --IL-1--;

Col. 26, line 45, delete "IL1" and insert --IL-1--;

Col. 28, line 1, delete "appear" and insert --appears--;

Col. 28, line 8, delete "10⁹M⁻¹, more preferably" and insert --10⁸M⁻¹, more preferably--;

Col. 28, line 34, delete "GGATCCATGACACTTCTGTGGTGTG" and insert --GGATCCATGACACTTCTGTGGTGTG--;

Col. 28, line 38, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 28, lines 39-40, delete "GTCACTGACCGCATCT" and insert --GTCGACTCACTGACCGCATCT--;

Col. 28, line 43, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 28, line 64, delete "resisce" and insert --resistance--;

Col. 29, line 49, delete "Retrovinises" and insert --Retroviruses--;

Col. 29, line 57, delete "cell's" and insert --cells--;

Col. 29, line 58, delete "NIH3" and insert --NIH3T3--;

Col. 30, lines 60-61, delete "GGATCCATCCGCCATCATGACACTTCTGTGGTGTG" and insert --GGATCCATCCGCCATCATGACACTTCTGTGGTGTG--;

Col. 30, lines 66-67, delete "TCTAGAGCGTAGTCTGGGACGTCGTATGGGTACTGACCGCATCT" and insert --TCTAGAAAAGCGTAGTCTGGGACGTCGTATGGGTACTGACCGCATCT--;

Col. 31, line 4, delete "Stratagehe" and insert --Stratagene--;

Col. 31, line 24, delete "135 cysteine" and insert --³⁵S-cysteine--;

Col. 31, line 24, delete "washed and the" and insert --washed and then--;

Col. 32, line 7, delete "B-actin" and insert --β-actin--;

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Col. 32, line 19, delete "phosphates" and insert --phosphatase--;

Col. 32, lines 24-25, delete "GACTGGATCCGCCATCATGACACTTCTGTGGTGTG" and insert --GACTGGATCCGCCATCATGACACTTCTGTGGTGTG--;

Col. 32, lines 27-28, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 32, line 35, delete "GAATTCCTCACTGACCGCATCT" and insert --GAATTCCTCACTGACCGCATCT--;

Col. 32, line 39, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 32, line 52, delete "transfection 5µg" and insert --transfection. 5µg--;

Col. 32, line 68, delete "mM" and insert --µM--;

Col. 33, line 1, delete "mM" and insert -- µM--;

Col. 33, lines 13-14, delete "GAGATCCATATGACACTTCTGTGGTGTG" and insert --GACTGGATCCGCCATCATGACACTTCTGTGGTGTG--;

Col. 33, lines 17-18, delete "FIG 1. (SEQ ID) NO: 1" and insert --FIGS. 1A-B (SEQ ID NO:1)--;

Col. 33, lines 22-23, delete "J. Mol. Biol." and insert --*J. Mol. Biol.*--;

Col. 33, line 24, delete "of the construct For" and insert --of the construct. For--;

Col. 33, line 24, begin new paragraph with "For the full";

Col. 33, line 25, delete "fill" and insert --full--;

Col. 33, line 26, delete "GAC TGG TAC CCA TAG AAA TCA TGT GTA TAC C₃" and insert --GAC TGG TAC CCA TAG AAA TCA TGT GTA TAC C 3'--;

Col. 33, line 30, delete "FIG. 1" and insert --FIGS. 1A-B--;

Col. 33, line 33, delete "figment" and insert --fragment--;

Col. 33, line 65, delete "BO 1101" and insert --BIO 101--;

Col. 34, line 63, delete "MCi" and insert --µCi--;

Col. 35, line 9, delete "³³P" and insert --³²P--;

Col. 35, line 11, delete "manufactur's" and insert --manufacturer's--;

Col. 35, line 14, delete "manufacturers" and insert -- manufacturer's--;

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Under What is claimed is:

Claim 1, line 3, delete "acids—17" and insert --acids -17--;

Claim 1, line 5, delete "acids—16" and insert --acids -16--;

Claim 1, line 16, delete "97666: and" and insert --97666; and--;

Claim 5, line 1, delete "claim 1," and insert --claim 4,--;

Claim 13, line 3, delete "acids—17" and insert --acids -17--;

Claim 13, lines 5-6, delete "acids—16 to 339 of SEQ 1) NO:2," and insert --acids -16 to 339 of SEQ ID NO:2;--;

Claim 32, line 2, delete "claim operatively" and insert --claim 1 operatively--; and

Claim 36, line 1, delete "comprises the" and insert --comprises culturing the--.

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